



APPLICATION TO CHANGE A WATER RIGHT
TECHNICAL ANALYSIS ADDENDUM
ADDITIONAL HISTORICAL DITCH SHEET (606-TAA)
ARM 36.12.1303

Answer every question and applicable follow-up questions. Use the checkboxes to denote yes ("Y") or no ("N"). Questions that require items to be submitted to the Department have a submitted ("S") checkbox, which is checked when the required item is attached to the Technical Analysis Addendum Additional Sheet. Label all submitted items with the question number for which they were submitted. Narrative responses that are larger than the space provided can be answered in an attachment. If an attachment is used, mark the see attachment ("A") checkbox on this form and label the attachment with the question number. If no attachment is needed, leave the see attachment ("A") checkbox blank. Constrain narrative responses to the specific question as is asked on the form; do not respond to multiple questions in one narrative. Label units in narrative responses. Responses in the form of a table may be entered into the table provided on this form or in an attachment. Responses in the form of a table that are larger than the table provided on this form should be placed in an attachment. If an attachment is used, the table must have the exact headings found on this form, and the see attachment ("A") checkbox on this form must be marked. For tables on this form, circle correct unit at header of column when table has unit options. For tables in attachments, label all units.

112. Answer questions 112.a to 112.h one time for each historical conveyance ditch. If there is more than one historical conveyance ditch, use an "Additional Historical Ditch Sheet (606-TAA)" for each additional ditch.
a. What is the ditch name?
b. List the water rights proposed for change that were conveyed by the ditch.
c. What is the distance water was historically carried by the conveyance ditch? Only include segments between the POD and start of the POU; do not include segments within the POU.



d. Provide at least one set of ditch measurements, which include width (FT), depth (FT), and slope (%). Include the location of each measurement, labeled with the 2-digit measurement ID number, used on the map submitted for question 111.				<input type="checkbox"/> A
ID #	Width (FT)	Depth (FT)	Slope (%)	Date of Measurement

e. What is a reasonable Manning's n value? List the factors used for estimation. _____	<input type="checkbox"/> A
f. What type of soils compose the historical conveyance ditch? For lined ditches, write "lined" instead. _____	<input type="checkbox"/> A
g. Are other water rights conveyed by the historical conveyance ditch?	<input type="checkbox"/> Y <input type="checkbox"/> N
i. If yes,	
1. What are the water right numbers? _____	<input type="checkbox"/> A
2. What is the sum of the flow rates (GPM or CFS) for all water rights conveyed? _____	
3. Submit a map with your best estimate of the historical POUs for the other water rights conveyed by the historical conveyance ditch. Include only POUs between the historical POD and your historical POU. If you do not know this information, the Department can help you create the map. The map should be created on an aerial photograph or topographic map and show the following: section corners, township and range, and a north arrow.	<input type="checkbox"/> S
h. Were any water rights proposed for change part of one historical water right that was split?	<input type="checkbox"/> Y <input type="checkbox"/> N
i. If yes, were all split water rights split in such a way to ensure each post-split water right could stand alone and not be reliant on the others for carriage water?	<input type="checkbox"/> Y <input type="checkbox"/> N
1. If no, do any of the water rights proposed for change have a carriage water requirement?	<input type="checkbox"/> Y <input type="checkbox"/> N



a. If yes,	
i. List the water rights with a carriage water requirement <hr/> <hr/>	<input type="checkbox"/> A
ii. Update your Historical Use Ditch Map to label the ditch segments where a carriage water requirement exists for a water right proposed for change. Also, use your best estimate to label the POUs for all water rights included in the carriage water requirement.	<input type="checkbox"/> S

